

Peak District National Park

Forecast valid from 00:00 on Sunday 31 Dec 2023 until 23:59 on Monday 01 Jan 2024

Forecast Issued on Saturday 30 Dec 2023 at 15:13

Confidence: A period of colder conditions with showers most days through the New Year period. Windy at times. Lower confidence in amount of showers and freezing level for each day over New Year.

Headline for Sunday 31 Dec 2023: A cold day with showers and strong Southerly winds, feeling cold at height.

Mountain weather hazards on Sunday 31 Dec 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Heavy Rain	Light rain	Dull	Cloudy	Light rain	Light rain	Heavy Rain	Heavy Rain
Precipitation probability							
30%	30%	10%	10%	50%	50%	50%	50%

Forecast for Sunday 31 Dec 2023

Weather: A showery day, perhaps a drier period during the morning but likely to remain rather dull and cloudy, showers becoming more frequent and heavier in the afternoon and evening. Showers falling as rain but perhaps sleet at the top of Kinder Scout. Strong winds accompanying the showers will make it feel bitterly cold.

Chance of cloud-free hill tops above 600m: 60%, low cloud in association with showers throughout the day.

Low cloud and visibility: Layers of scattered or broken cloud above 500m throughout the day, cloud will lift at times, perhaps more chance around northern hills. Visibility will be good outwith showers but dipping moderate as showers pass through, perhaps poor on the highest summits in sleet showers.

Forecast for Sunday 31 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/26 SW	18/24 S	20/27 S	23/31 S	23/31 SW	22/30 SW	22/30 SW	24/34 W	26/36 W
300	14/21 S	12/19 S	15/22 S	18/27 S	16/25 S	16/26 SW	16/26 SW	19/30 SW	20/31 W
Valley	9/21 S	8/18 S	8/21 S	12/26 S	13/26 S	11/24 SW	11/24 SW	13/27 SW	13/27 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-3	2/-3	2/-4	2/-5	2/-4	2/-4	2/-4	2/-5	2/-5
300	5/1	5/1	4/0	4/-1	5/-0	5/0	4/-0	4/-1	4/-1
Valley	6/3	5/2	4/1	5/1	5/1	5/2	5/1	5/1	5/1
Freezing Level*	1100m	900m	900m	900m	900m	900m	900m	900m	1000m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Freezing level above the summits, with showers turning to sleet just below, feeling bitterly cold in strong winds and showers.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sat 30 Dec 2023	4.2mm	5.6mm	14.4mm

Forecast for Monday 01 Jan 2024

Weather: Showers during the morning but some bright spells developing, showers turning to sleet on Bleaklow and Kinder Scout. Mostly dry through the afternoon with some winter sunshine breaking through, cloudier by late afternoon and evening.

Maximum wind: West or Southwesterly 20mph gusts 35mph.

Chance of cloud-free hill tops above 600m: 70%, low cloud will gather around the summits in showers in the morning, improving to 90% in the afternoon.

Low cloud and visibility: Patchy cloud becoming scattered and lowering to 500m in morning showers with visibility turning moderate for a time. During the afternoon only patchy cloud above 600m and visibility mostly good or very good.

Temperature: **Valleys:** Plus 3 rising to 7 Celsius.
At 600m: Plus 1 Celsius
Freezing level: 700m